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(54) DEVICE AND METHOD FOR TRANSMISSION, DEVICE AND METHOD FOR RECEPTION, SYSTEM AND METHOD FOR PROCESSING PICTURE, DEVICE AND METHOD FOR PROCESSING PICTURE DATA, AND DISTRIBUTION MEDIUM

(57) In the present invention, RGB data outputted by a transmission side CRT monitor (3) is converted by a profile P_1 stored in a converter (11) into XYZ data which is corrected in agreement with the viewing conditions on the transmitting side by having reference to detection signals from sensors (S_1 , S_2) so that the data is outputted as $L^*M^*S^*$ data. A viewing condition conversion circuit (15) refers to detection signals from sensors (S_3 , S_4) to correct the $L^*M^*S^*$ data in agreement

with the viewing conditions on the reception side to supply the resulting XYZ data to the converter (16). The converter (16) refers to a profile (P_4) to convert the XYZ data into RGB data which is outputted to a CRT monitor (4). This equates color appearance of a picture on an input device on the transmission side to that of a picture on an output device on the reception side.

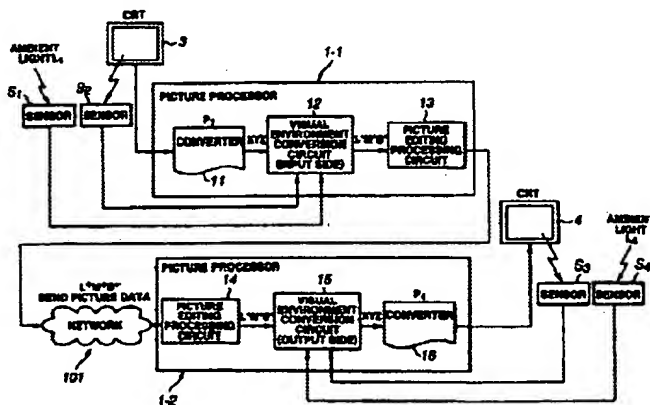


FIG.2